



東北大学 災害科学国際研究所

災害リスク研究部門 津波工学研究分野

ICT Use in Disaster Evacuation of ASEAN Citizens: Lessons Learned from the 2011 Great East Japan Earthquake and the 2016 Kumamoto Earthquakes

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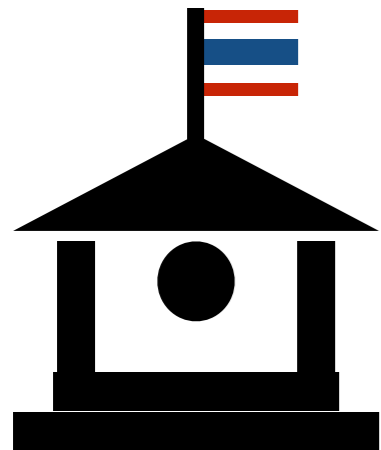


Duties of Royal Thai Embassy during the 2016 Kumamoto Earthquake

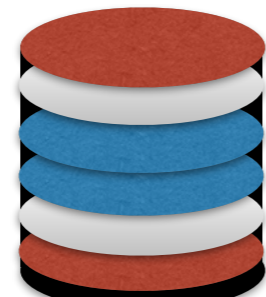
- Providing accurate information
- Responding to the requests
- Finding a person following the request
- Donation center

RTE's Thai Database

- **Name** (TH/EN)*
- **Thai National ID*** (primary key)
- **Nationality***, **Race***
- **Gender***, Height
- **Date***, **Place*** of Birth
- Occupation
- **Father's***, **Mother's***, Spouse's **names**
- Passport and VISA information
- email address and Fax
- Address and telephone number in Thailand and Japan
- Emergency contact person's name and telephone number



Royal Thai
Embassy, Tokyo



Thai DB

Note. * Required information

Source: <http://site.thaiembassy.jp/th/services/registration/>

April 14, 2016 (Thu)

- 22:26 **M6.5 (Shindo 7)** @ Kumamoto Chiho, Kumamoto Prefecture
- 22:07 **M5.8 (Shindo 6-)** @ Kumamoto Chiho, Kumamoto Prefecture
- 22:20 RTE posted **earthquake Situation**
- RTE started collecting **damage information**
- RTE started estimating **numbers of Thai residents/tourists** in the affected area

April 15, 2016 (Fri)

- 00:03 **M6.4 (Shindo 6+)** @ Kumamoto Chiho, Kumamoto Prefecture
- 12:21 RTE shared **suspended JR Kyushu Shinkansen** information
- 17:13 RTE shared **earthquake situation**
- RTE planned to establish the **Command Center**

April 16, 2016 (Sat)

- 01:25 **M7.3 (Shindo 7)** @ Kumamoto Chiho, Kumamoto Pref.
- 01:45 **M5.9 (Shindo 6-)** @ Kumamoto Chiho, Kumamoto Pref.
- 02:30 RTE received **evacuation requests**
- 03:55 **M5.8 (Shindo 6+)** @ Aso Chiho, Kumamoto Prefecture
- Morning RTE established the **Command Center**
- 09:03 RTE shared **train status**
- 09:46 RTE posted **evacuation shelter information**

April 16, 2016 (Sat)

- 09:48 **M5.4 (Shindo 6-)** @ Kumamoto Chiho, Kumamoto Prefecture
- 12:22 RTE posted list of **evacuation shelters** in **Yufuin** area
- 12:26 RTE shared **road status** in Kumamoto Prefecture
- 12:41 RTE posted **earthquake manual in Thai** language
- 12:51 RTE posted new **additional hotline number** for Kumamoto Earthquake
- 13:00 RTE posted **instruction** how to deal with earthquake
- 17:29 RTE posted **message from Thai PM to Japanese PM**
- Night RTE sent **one officer to Fukuoka**

RTE's Evacuation Preparation

- Many Thai citizens were in the affected areas
- **One RTE officer was sent to Fukuoka** at night of Apr 16
- **Local bus company** was contacted to arrange **8 buses**
- **Announcement** of the appointed spots and time was published
 - **Kumamoto University**: 1 bus
Library, Kurokami Kita Campus
 - **Ritsumeikan Asia Pacific University (APU)/Beppu Arena**: 6 buses
 - **Yufuin Elementary School**: 1 bus
- Local government suggested **Global Arena** (sport athlete village) to be temporary shelter
- **Main destination: Fukuoka Airport**

RTE's Evacuation Procedure Results

- **Kumamoto University: 16 Thai** (1 bus)
- **APU/Beppu Arena: 87 Thai+68 foreigners**
(6 buses)
- **Yufuin: 24 Thai** (1 bus)

About **200 Thai citizens** lived in Kumamoto Prefecture
(MFA, 2016)

Source: Interviews, MFA (2016), SNS data, ThaiPBS (2016)

Image source: Leelawat et al. (under review)

RTE's Evacuation Procedure

- Information of **contact person** and **car number** were announced
- **Identification checking**
 - **Thai citizens**: National ID card or passport
 - **Non-Thai citizens** were requested to inform **name**, **gender**, and **date of birth**
 - RTE informed their embassy
 - Also, RTE was informed by other embassies about Thai citizens who evacuated with them
- RTE collaborated with **Thai Airways** to book return tickets
- Thai Airways provided **special-price return ticket** (Fukuoka->Bangkok)